## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Application No.: Date Filed: Title:		Srikanth B. Samavedam	Group Art Unit: Examiner:					
		METHOD OF FORMING A	METHOD OF FORMING AN NMOS TRANSISTOR AND STRUCTURE THEREOF					
		INFORMATION DISC	LOSURE STATEMENT (IDS)					
	ssioner F Iria, VA	or Patents 22313						
SIR:								
States P for subr patent a	n attache atent and nitting a application	d Form PTO/SB/08 and/or subsequal Trademark Office. Pursuant to the copy of each cited U.S. patent and ns filed after June 30, 2003 and for	compliance with 37 C.F.R. §§1.97 and 1.98, the references tently identified herein, are for consideration by the United to Office waiving the requirement under 37 CFR 1.98 (a)(2)(i) each U.S. patent application publication for all U.S. national r all international applications that have entered the national s of the reference are not submitted herewith.					
I.	COPIE a. ⊠	A legible copy of (i) each foreign	patent; (ii) each publication or that portion which caused it aformation or that portion which caused it to be listed, is					
	b	included herewith.  Any patents, publications or other enclosed herewith were previously	r information which are listed on PTO/SB/08 which are not y cited by or submitted to the PTO in one of the following upon for an earlier filing date under 35 U.S.C. §120:					
		U.S. Serial Number	U.S. Filing Date					
II.	CONCI a. ⊠ b. □ c. □	information are in the English language (concise explanation not required).  A concise explanation of the relevance of all patents, publications or other informathat is not in the English language is as follows:						
III. 🔲	The Ex be relat	ed to the present application. By b	CLICATION(S)  co-pending application(s) contain(s) subject matter that may ringing this (these) applications to the Examiner's attention, entiality provisions of 35 U.S.C. §122.					
	Serial N	No. Filing I	Date Art Unit					
			FEES					
IV. 🛛	<u>THIS II</u> a.⊠	prosecution application under §	C.F.R. §1.97(b): (check one box)  ng date of a national application other than a continued  1.53(d) (37 C.F.R. §1.97(b)(1)). No fee or statement is					
	b. 🗌		of entry of the national stage as set forth in § 1.491 in an R. §1.97(b)(2)). No fee or statement is required.					
	c.	before the mailing date of a first Office Action on the merits (37 C.F.R. §1.97(b)(3)). No fe or statement is required.						
	d. 🗌	before the mailing date of a firs	t Office Action after the filing of a request for continued F.R. § 1.97(b)(4)). No fee or statement is required.					

V. 🗖	THIS IDS IS BEING FILED UNDER 37 C.F.R. §1.97(c): (check one box) before the mailing date of any of a Final Office Action under 37 C.F.R. §1.113, a Notice of Allowand under 37 C.F.R. §1.311, or an action that otherwise closes prosecution in the application (See 37 C.F.I. §1.97(c)).  a.   No statement; therefore, charge deposit account 502117 the fee set forth in 37 C.F.R. §1.17(p. 1.17).						
	b. 🗌	See the	statement below. No fee is require	i.			
VI. 🗌	THIS II on or be 1) 2)	· · · · · · · · · · · · · · · · · · ·					
VII. 🔲	STATE	MENT U	JNDER 37 C.F.R. §1.97(e) (check	only one box, if applicable)			
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	b. 🗌	no item Patent ( statement known t	of information contained in the Office in a counterpart foreign applint after making reasonable inquiry	DS was cited in a communication from a foreign ication, and to knowledge of the person signing the , no item of information contained in the IDS was C.F.R. 1.56(c) more than three months prior to the			
	c.	some of foreign informa a counte to the r informa a counte making	If the items of information contained Patent Office. As to this information contained in the IDS was cited expart foreign application not more remaining information, the undersition contained in the IDS was cited expart foreign application or, to the reasonable inquiry, no item of in all designated in 37 C.F.R. 1.56(c	d in the IDS were cited in a communication from a mation, the undersigned states that each item of in a communication from a foreign Patent Office in than three months prior to the filing of this IDS. As gned hereby states that no item of this remaining in a communication from a foreign Patent Office in knowledge of the person signing the statement after formation contained in the IDS was known to any of more than three months prior to the filing of this			
VIII.	PAYM		in the amount of is enc	osed for the above-identified fee(s). he amount of \$180.00 for the above-indicated			
	fees, or if any overpayment has been made, the it or debit Deposit Account <b>502117.</b> Deposit Account charges and debits.						
The above references are being cited only in the interests of candor and without any admission that they constitute statutory prior art or contain matter which anticipates the invention or which would render the same obvious, either singly or in a combination, to a person of ordinary skill in the art.							
If the Examiner has any questions concerning this IDS, he/she is requested to contact the undersigned. If it is determined that this IDS has been filed under the wrong rule, the PTO is requested to consider this IDS under the proper rule (with a petition if necessary) and charge the appropriate fee to Deposit Account No. 502117.							
302117	•			Respectfully submitted, Srikanta B. Samavedam			
	ROLA, I er Numb	NC. er 23125		Joanna G. Chiu Agent for Applicant(s) Reg. No. 43,629 Tel. (512) 996-6839			
Enclosu	res:		PTO/SB/08 References Foreign Search Report Other:				

Pages, Columns, Lines, Where Relevant

Passages or Relevant Figures Appear

INFORMATION DISCLOSURE				Complete if Known				
				Application Number				
				Filing Date				
STATEMENT BY APPLICANT (use as many sheets as necessary)			NT	First Named Inventor	Srikanth B. Samavedam			
			•	Group Art Unit				
				Examiner Name				
Sheet	1	of	1	Attorney Docket Number	SC13102TP			

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	AC	LEMONDS et al., "Adhesion of Cu and Low-K Dielectric Thin Films With Tungsten Carbide," J. Mater. Res., Vol. 17, No. 6, June 2002, Materials Research Society, pp. 1320-1328.						
	AD	DENG et al., "Reactive Sputtered Titanium Carbide/Nitride and Diamondlike Carbon Coatings," J. Vac. Sci. Technol. A 16(4), Jul/Aug 1998, American Vacuum Society, pp. 2073-2077.						
	AE	PAN et al., "A Low-Temperature Metal-Doping Technique for Engineering the Gate Electrode of Replacement Metal Gate CMOS Transistors," IEEE Electron Device Letters, Vol. 24, No. 9, September 2003, pp. 347-349.						

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<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>8</sup> Applicant is to place a check mark here if English Language Translation is attached.

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